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NOTICE OF ALLOWANCE AND FEE(S) DUE

23623 7590 06/15/2009 TUROCY & WATSON, LLP

TUROCY & WATSON, LLP 127 Public Square 57th Floor, Key Tower CLEVELAND, OH 44114

EXAMINER					
RUGGLES, JOHN S					
ART UNIT	PAPER NUMBER				
1795					

DATE MAILED: 06/15/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/768,515	01/30/2004	Bhanwar Singh	AMDP999US/H1920	6654	

TITLE OF INVENTION: MASK HAVING SIDEWALL ABSORBERS TO ENABLE THE PRINTING OF FINER FEATURES IN NANOPRINT LITHOGRAPHY (IXMASK)

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1510	\$0	\$0	\$1510	09/15/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth	or transmitting the 18 ig the Patent, advance nerwise in Block 1, by	orders and notification of r (a) specifying a new corre	maintenance fees wi spondence address;	ill be i and/or	mailed to the current (b) indicating a sepa	correspon rate "FEE	idence address as E ADDRESS" for
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TUROCY & W 127 Public Squa 57th Floor, Key	re Tower	72009		Cert	ificate	of Mailing or Trans Transmittal is being ficient postage for fire SSUE FEE address 1) 273-2885, on the d	mission	
CLEVELAND,	OH 44114							(Depositor's name)
			_					(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	:	ATTO	RNEY DOCKET NO.	CONFIR	RMATION NO.
10/768,515 TITLE OF INVENTIO LITHOGRAPHY (1XM.		SIDEWALL ABSORB	Bhanwar Singh ERS TO ENABLE THE I	PRINTING OF FE		DP999US/H1920 'EATURES IN NAN	OPRINT	6654
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nonprovisional	NO	\$1510	\$0	\$0		\$1510	(09/15/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	1				
RUGGLES	S, JOHN S	1795	430-005000	•				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DATZ less an assignce is ident h in 37 CFR 3.II. Comp	inge of Correspondence "Indication form and. Use of a Customer A TO BE PRINTED O	(I) the names of up to or agents OR, alternati	o 3 registered patent vely, le firm (having as a agent) and the name writely or agents. If n printed. pe)	members of uponam	er a 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		nas been filed for
Please check the appropr	iate assignee category or	categories (will not be	printed on the patent):	Individual Co	porati	on or other private gro	oup entity	Government
4a. The following fee(s). Ussue Fee Publication Fee (N Advance Order	vo small entity discount p	permitted)	4b. Payment of Fee(s): (Plet A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo	rd. Form PTO-2038	is atta	ched.		
- 11	s SMALL ENTITY state	as. See 37 CFR 1.27.	☐ b. Applicant is no lon					
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accep ites Patent and Tradema	oted from anyone other than t ark Office.	the applicant; a regis	tered a	ittorney or agent; or th	e assigned	e or other party in
Authorized Signature				Date				
Typed or printed name				Registration No	э			
This collection of inform an application. Confiden submitting the complete this form and/or suggests Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450.	CFR 1.311. The informate U.S.C. 122 and 37 CF USPTO. Time will varden, should be sent to D NOT SEND FEES OF	ntion is required to obtain or r R 1.14. This collection is est ary depending upon the indiv the Chief Information Office R COMPLETED FORMS To	retain a benefit by the timated to take 12 no vidual case. Any cor er, U.S. Patent and 7 O THIS ADDRESS.	e publ inutes nment: l'radem SENI	ic which is to file (and to complete, includir s on the amount of tin ark Office, U.S. Dep O TO: Commissioner	by the U: g gathering ne you re- artment of for Patents	SPTO to process) ug, preparing, and quire to complete Commerce, P.O. s, P.O. Box 1450,

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23623 7.	590 06/15/2009	EXAMINER				
TUROCY & WATSON, LLP			RUGGLES, JOHN S			
127 Public Square	127 Public Square			PAPER NUMBER		
	57th Floor, Key Tower CLEVELAND, OH 44114		1795 DATE MAILED: 06/15/2009			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 880 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 880 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/768,515 SINGH ET AL. Notice of Allowability Examiner Art Unit John Ruaales 1795 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to RCE Amendment 4/24/09. 2. The allowed claim(s) is/are 1-8. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) \(\subseteq \text{Some* c} \) \(\subseteq \text{None of the:} \) 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)

2. Notice of Draftperson's Patent Drawing Review (PTO-948)

3. Information Disclosure Statements (PTO/SB/08),

Paper No./Mail Date

5. Notice of Informal Patent Application

Interview Summary (PTO-413),
 Paper No./Mail Date

7. X Examiner's Amendment/Comment

8.

Examiner's Statement of Reasons for Allowance

9. 🔲 Other _____.

Art Unit: 1795

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bhavani Rayaprolu on 5/29/09.

IN THE CLAIMS:

At claim 1 line 2, correct "pattern" to --a pattern--.

At claim 1 line 4, change "pressure" to --low pressure--, in accordance with the specification at page 9 lines 10-11.

At claim 1 line 7, change "upper surface of the substrate" to --upper surface of the substrate translucent material --, in order to be consistent with the current 4/24/09 amendment.

IN THE SPECIFICATION:

The title is amended as follows: —USING MASK HAVING SIDEWALL ABSORBER

ABSORBERS TO ENABLE THE PRINTING OF FINER FEATURES IN NANOPRINT

LITHOGRAPHY (IXMASK)—.

Art Unit: 1795

Conclusion and Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Ruggles whose telephone number is (571)272-1390. The examiner can normally be reached on Monday-Wednesday and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on 571-272-1385. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mark F. Huff/ Supervisory Patent Examiner, Art Unit 1795 /John Ruggles/ Examiner Art Unit 1795